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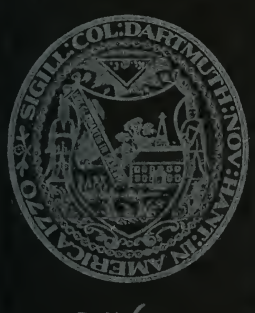

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DARTMOUTH COLLEGE BULLETIN

JUNE, 1916

NEW SERIES VOL. V, NO. 3

THE MEDICAL SCHOOL

Published by the College
HANOVER, N. H.

DARTMOUTH COLLEGE BULLETIN
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CATALOGUE OF

DARTMOUTH MEDICAL SCHOOL

FOR THE ONE HUNDRED AND TWENTIETH ANNUAL SESSION

1916–1917

CALENDAR

1916

September 21 . . . . . First semester begins.
November 30 . . . . . Thanksgiving Day; a holiday.

Recess from December 21, 1 p. m., to January 5, 7.50 a. m.

1917

January 22–31 . . . . . First semester examinations.
February 1 . . . . . Second semester begins.

Recess from March 28, 1 p. m., to April 12, 7.50 a. m.

May 30 . . . . . Memorial Day; a holiday.
June 4 to 14 . . . . . Second semester examinations.
June 20 . . . . . Commencement Day.

MEDICAL FACULTY

ERNEST FOX NICHOLS, D.Sc., LL.D., President.

JOHN MARTIN GILE, A.M., M.D., Dean.

COLIN CAMPBELL STEWART, Ph.D., Secretary.

EDWARD COWLES, M.D., LL.D., *Professor of Mental Diseases, Emeritus.* 419 Boylston St., Boston.

CHARLES BEYLARD GUERARD DE NANCRÈDE, M.D., LL.D., *Professor of Surgery and Clinical Surgery, Emeritus.* Ann Arbor, Mich.

GEORGE ADAMS LELAND, A.M., M.D., *Professor of Otolaryngology, Emeritus.* 354 Commonwealth Ave., Boston.

TILGHMAN MINNOUR BALLIET, A.M., M.D., *Professor of Therapeutics, Emeritus.* 3709 Powelton Ave., Philadelphia.

EDWIN JULIUS BARTLETT, A.M., M.D., *Professor of Chemistry.* 8 W. Wheelock St.

WILLIAM PATTEN, Ph.D., *Professor of Biology (Zoölogy).* 15 Webster Ave.

GILMAN DUBOIS FROST, A.M., M.D., *Professor of Clinical Medicine.* 13 E. Wheelock St.

JOHN MARTIN GILE, A.M., M.D., *Professor of Clinical Surgery.* 3 Maynard St.

PERCY BARTLETT, A.B., M.D., *Professor of Surgery.* 8 Parkway.

COLIN CAMPBELL STEWART, Ph.D., *Brown Professor of Physiology.* 4 Webster Ave.

CHARLES ERNEST BOLSER, Ph.D., *Professor of Chemistry (Academic Department).* 15 E. Wheelock St.

HOWARD NELSON KINGSFORD, A.M., M.D., *Professor of Pathology and Bacteriology.* 6 Clement Road.

FREDERIC POMEROY LORD, A.B., M.D., *Professor of Anatomy.*
3 Elm St.

WALTER LESLIE MENDENHALL, M.D., *Assistant Professor of Pharmacology.*
5 Prospect St.

KENNETH NOEL ATKINS, A.M., *Instructor in Bacteriology.*
16 Maple St.

HARRY TAPLEY FRENCH, B.S., *Instructor in Anatomy.*
8 Parkway.

GENERAL ANNOUNCEMENT

Dartmouth Medical School, the fourth to be established in the United States, owed its foundation to the efforts of Dr. Nathan Smith, one of the best known physicians and surgeons of his day, who gave the first course of lectures in medicine in Dartmouth College during the year 1797. In June, 1798, two men were granted the degree of M.B. and classes have been graduated every year from that date until 1914. The Doctorate in Medicine was first given in 1812.

Aside from the assistance of Dr. Lyman Spalding in 1798 and 1799, Dr. Smith carried on the whole work of the school until 1810. In that year Anatomy and Surgery were constituted a special department and this subdivision of the teaching work was followed by the gradual establishment of such other chairs as the changing conditions in medical education demanded. The required course of study, at first of two years' duration, was soon lengthened to three years and more recently to four years. In 1902 the Trustees of Dartmouth College assumed entire financial control of the school, thus relieving it of the semi-independent position which it had previously held, and making it an integral part of the college as one of its graduate schools. In 1908 the Nathan Smith Laboratory was erected by funds contributed by alumni and friends of the school. The same fund made possible extensive alterations in the old medical building, erected in 1811 upon land deeded for this purpose to the State of New Hampshire by Dr. Smith. These alterations have provided excellent general and special working laboratories for the Department of Physiology. The Nathan Smith Laboratory affords admirable facilities for the work in Histology, Pathology, and Bacteriology. Biology, Comparative Anatomy, Embryology, and Chemistry are provided for in the laboratories of Dartmouth College.

To assure to the student the broad foundation necessary for acquiring a logical and thoroughly useful comprehension of modern medicine the school established in 1910 an entrance requirement of two years of collegiate work in Biology, Chemistry, Physics and the languages.

In 1913 the Trustees of Dartmouth College voted that, "after the year 1914 instruction appertaining to the two last, or clinical years,

of the course in Medicine be suspended for the present, and that the resources of the School, in teachers and equipment, be concentrated upon the first two years of the course, which may be elected by undergraduates of the College."

In accordance with arrangements which have been made in harmony with this action, candidates for the B.S. degree may matriculate in the Medical School at the beginning of the Junior year and obtain with the degree credit for two years in Medicine. Candidates for the A.B. degree may enter the Medical School at the beginning of Senior year and obtain the degree in four years, and credit for two years in Medicine at the end of the fifth (post-graduate) year. The acceptance of this plan by the medical schools of the first rank in the large clinical centers has been most generous, and students with two years' credit in Medicine may transfer, in many cases without additional examination, to the third-year class of leading metropolitan schools, and thus complete the work of the medical course in some one of the important clinical centers of the country.

It is the aim of the Medical School to impart to the student a thorough training on both the laboratory and the theoretical sides, an aim which is furthered by the small size of its classes and the close personal association between teacher and student.

EQUIPMENT

The original Medical School building provides accommodations for the Departments of Anatomy and Physiology as well as for a pathological museum. In the center of the building is the old lecture room, of particular interest because it has been in continuous use in practically its present form since the completion of the building in 1811. Directly over the lecture room is the Library, furnished in 1871 in the prevailing style of the period, and providing accommodation, in wall cases and stacks, for some ten thousand volumes. The gallery cases are occupied by a collection of pathological bones, wet specimens and models.

The south end of the building is occupied by the Department of Anatomy and Histology. Its basement extends south from the main building, giving a well-lighted dissecting room with glass roof, and, in addition, each dissecting table stands under a strong electric light. The room has been newly equipped with lavatories, individual lockers, and an air pressure system for use in dissections. A special room is set

apart for preparing the material and for storing it in a tightly closed vault where it can be kept in perfect condition. Cadavers for use in demonstration lectures may be carried to the room above by elevator. The first floor has a recitation room, recently entirely remodelled. On the second floor is a study and recitation room, where is kept a growing collection of dissected wet specimens, illustrative of the viscera, central nervous system, and the general structure of the body, as well as special dissections of the bones and joints, etc., these to be handled and studied by the student. The third floor is occupied by an office and a private histological laboratory for the use of the department.

The Department of Physiology occupies the entire three floors of the reconstructed north end of the building. Upon the ground floor there is a chemical room and a laboratory for special work by advanced students; on the second floor is a large private working laboratory, a dark room and a workshop, equipped with a power lathe and with tools for work in both metal and wood; the entire third floor is occupied by the students' laboratory, which is well lighted from three sides. The equipment of the laboratory for the students' course is that manufactured by the Harvard Apparatus Company. The students' sets include a clockwork kymograph, inductorium, moist chamber, recording and stimulating apparatus, tambours, circulation model, and many minor pieces. In addition to this the laboratory contains apparatus for demonstrations and for individual work or original investigation, and many single examples of the more expensive imported apparatus, which are freely available for laboratory work with small classes.

The Nathan Smith Laboratory is a modern brick building of two and one-half stories. In the basement there is an animal room, a lavatory and a students' reading room. The upper floor contains a students' laboratory with gas and running water and with individual lockers for microscopes and slide boxes. The laboratory is abundantly lighted from three entire sides. This floor contains also the laboratory of the New Hampshire State Board of Health, and four smaller working laboratories. All the rooms are well lighted by closely placed windows and there is a full equipment of microscopes and other apparatus for general and special work in Histology, Pathology, and Bacteriology. The specimens coming to the State Laboratory for examination provide a great variety of pathological and bacteriological material for class use. The main floor of the building is occupied by a lecture room, and by the recently equipped Department of Pharmacology, which is provided with a students' laboratory and three smaller rooms: operating room, chemical room and office.

The Mary Hitchcock Memorial Hospital, a cottage hospital of sixty-five beds, and a model of construction, furnishes clinical material for the use of the classes in Physical Diagnosis, Medicine and Surgery, with an opportunity for learning the methods of the most advanced hospital work. In operating rooms recently reëquipped with modern appointments the student has a close view of a large number of operations in general surgery and gynecology and of special operations upon the eye, ear, throat, and nose. He is able to follow these cases and note the after treatment and results. The clinics are carefully used to illustrate the didactic teaching.

The College maintains a small but well-equipped Isolation Hospital, which affords a valuable opportunity for studying and following the contagious diseases.

REQUIREMENTS FOR ADMISSION

The minimum requirement for admission to the Medical School is represented by two years of College work. The required College subjects consist of: at least one year of Inorganic Chemistry in addition to the Chemistry required for entrance to College, two years of Biology, one year of Physics including laboratory work, one year of Psychology, and one year each of any two of the languages, Latin, French, and German. Applicants must demonstrate their ability to translate at sight easy Latin prose.

Students who are taking two or more years of work in Dartmouth College with a view to entering Dartmouth Medical School will be considered as meeting the entrance requirements if they present a total of sixty-two semester hours credit, including Biology 1 and 2, Zoölogy 7 and 8, Chemistry 3 and 4, Physics 1, 2, 3 and 4, (or Physics 1a and 2a), Psychology 1 and 2 and six hours each of any two of the languages, Latin, French, and German.

A candidate desiring admission to the Medical School from another college must present to the Secretary of the Medical School an official detailed statement of the courses pursued at that institution together with a letter of honorable dismissal. No one will be accepted who has not credit for the required subjects named above.

THE COMBINED ACADEMIC AND MEDICAL COURSES

If, in addition to meeting the entrance requirements of the Medical School, as outlined in the preceding section, the student wishes to proceed to an academic degree, and at the same time receive credit for one or two years of the medical course, he may meet the requirements of both academic and medical faculties by pursuing one or other of the following combined courses:

First Course:

Students in Dartmouth College, who are candidates for the B.S. degree, may register in the Medical School at the beginning of Junior year by presenting the specified requirements, together with additional courses sufficient to make a total of 62 semester hours. In this combined course a candidate will receive the degree of Bachelor of Science at the end of the fourth year, together with a certificate for two years

credit in Medicine. Students taking this combined academic and medical course are allowed to waive the Minor requirement in Group I and to make a split Minor in Group III.

The following schedule shows the courses to be taken:

FRESHMAN YEAR IN DARTMOUTH COLLEGE: (32 hours)

English 1 and 2.
Mathematics 1 or 3, and 4.
Biology 1 and 2.
French, six hours.
German, six hours.
Physical Education.

SOPHOMORE YEAR IN DARTMOUTH COLLEGE: (30 or 36 hours)

Physics 1, 2, 3 and 4, or 1a and 2a.
†Chemistry 3 and 4.
Zoölogy 7 and 8.
Psychology 1 and 2.
with History 1 and 2, or
Economics 1 and 2, or
Psychology 3 and 4.

JUNIOR YEAR IN DARTMOUTH COLLEGE AND FIRST YEAR IN MEDICINE:

Chemistry 5 and 6a.
Physiology 1 and 2.
Anatomy 1 and 2.
Histology 1 and 2.
Bacteriology 1 and 2.
Clinical Microscopy.

SENIOR YEAR IN DARTMOUTH COLLEGE AND SECOND YEAR IN MEDICINE:

Chemistry (Physiol. and Med.).
Physiology 3 and 4.
Anatomy 3.
*Pathology.
*Physical Diagnosis.
*Medicine.
*Surgery.
*Hygiene.
*Pharmacology.

SECOND COURSE:

Students in Dartmouth College who are candidates for either the A.B. or the B.S. degree may register in the Medical School at the

*These courses do not count toward the academic degree.

†Students who have not presented Chemistry for admission to College will be required to take elementry Chemistry in Summer School before being admitted to Chemistry 3 and 4.

beginning of Senior year by presenting the specified requirements, together with additional courses sufficient to make a total of 92 semester hours. They may thus secure the academic degree at the end of the fourth year and in addition a certificate of credit for one year in Medicine. Students taking this combined course should have completed their Minors in Groups I and III before registering in the Medical School.

Students in the College, who wish to register in the Medical School in either of these combined courses, must secure from the President of the College a certificate approving such transfer.

ADVANCED STANDING

Students are admitted to advanced standing in the second year in Medicine only by special vote of the Faculty.

Applicants for advanced standing must satisfy the requirements for admission; must bring official evidence of time spent in medical schools with equivalent entrance requirements; and must either present official certificates of standing in the courses to be accepted or pass examinations in the subjects of the medical curriculum in which the class which they wish to enter has been examined.

SCHEDULE

FIRST YEAR—FIRST SEMESTER

Histology 1. Tuesday, Thursday, Saturday, 10–12 A. M.

Anatomy 1. Demonstrations and recitations, Monday, Wednesday, Friday, 10–11 A. M. Demonstrations, Monday, Tuesday, Wednesday, Thursday, 2–3 P. M., alternating with dissection, Monday, Tuesday, Wednesday, Thursday, 2–5 P. M. Anatomy of Viscera, Tuesday, Thursday, 1–2 P. M.

Physiology 1. Monday, Wednesday, Friday, 11–12 A. M.

Chemistry 5. Monday, Wednesday, 1–2 P. M., Friday, 1–5 P. M.

Bacteriology 1. Monday, Wednesday, Friday, 8–10 A. M.

FIRST YEAR—SECOND SEMESTER

Histology 2. Tuesday, Thursday, Saturday, 10–12 A. M.

Embryology. Tuesday, Thursday, Saturday, 8–10 A. M.

Bacteriology 2. Monday, Wednesday, Friday, 8–10 A. M., until the Easter recess.

Clinical Microscopy. Monday, Wednesday, Friday, 8–10 A. M., from April 12 to June 2.

Anatomy 2. Demonstrations and recitations, Monday, Wednesday, Friday, 10–11 A. M. Demonstrations, Monday, Tuesday, Wednesday, Thursday, 2–3 P. M., alternating with dissection, Monday, Tuesday, Wednesday, Thursday, 2–5 P. M. Anatomy of Viscera, Tuesday, Thursday, 1–2 P. M.

Physiology 2. Monday, Wednesday, Friday, 11–12 A. M.

Chemistry 6a. Monday, Wednesday, 1–2 P. M., Friday, 1–5 P. M.

SECOND YEAR—FIRST SEMESTER

Physiology 3. Monday, Wednesday, Friday, 8–10 A. M.

Physical Diagnosis. Tuesday, Thursday, 8–9 A. M., Saturday, 8–10 A. M.

Pathology. Monday, Wednesday, Friday, 10–12 A. M., Monday, 1–3 P. M. Lectures, Tuesday, Thursday, 9–10 A. M.

Anatomy 3. Tuesday, Thursday, Saturday, 10–12 A. M.

Chemistry, Physiological and Medical. Tuesday, Thursday, 1–4 P. M.

Pharmacology. Monday, 3–5 P. M., Wednesday, Friday, 2–5 P. M.

SECOND YEAR—SECOND SEMESTER

Physiology 4. Monday, Wednesday, Friday, 8–10 A. M.

Pathology. Monday, Wednesday, Friday, 10–12 A. M., Monday, 1–3, P. M.

Chemistry, Physiological and Medical. Tuesday, Thursday, 1–4 P. M.

Pharmacology. Monday, 3–5 P. M., Wednesday, Friday, 2–5 P. M.

Medicine. Tuesday, Thursday, 9–12 A. M.

Surgery. Tuesday, Thursday, 8–9 A. M., Saturday, 8–12 A. M.

Hygiene. Wednesday, Friday, 1–2 P. M.

COURSES OF INSTRUCTION

EMBRYOLOGY

PROFESSOR PATTEN

First Year

Vertebrate Embryology. A study of the Embryology of the frog, the chick, and a mammal. (Bailey and Miller's *Text Book of Embryology*, Minot's *Human Embryology*, Hertwig's *Embryology of Vertebrates*, Heisler's *Embryology*.) Second semester, fifty-four two-hour exercises.

ANATOMY AND HISTOLOGY

PROFESSOR F. P. LORD, MR. FRENCH

ANATOMY

First Year

For convenience the human body is divided into three parts for purposes of study and dissection: head and neck, thorax and upper extremity, abdomen and lower extremity. Each part requires a half-semester's time, divided between a preliminary period of preparation, and a later period of dissection, of each part. Preparation for the dissection of the viscera and special regions in the last half-semester is given by a course of demonstrations and recitations continuing throughout the whole year.

1 and 2. Demonstrations and recitations on the bones, joints, blood-vessels, and nerves. Bones for study are loaned to each student by the department; dissected specimens of the soft parts are used for demonstration in the class-room, and are offered for the students' use in the study-room.

Dissection of a lateral half of the human body, omitting viscera and special regions, such as perineum, ear, eye, and deep parts of the head and neck.

Demonstrations and recitations, with dissections on the cadaver performed by the instructor before the class, on the viscera and special regions, such as the perineum, ear, eye, etc. Wet preparations and

dissections are used in the class-room by the instructor and in the study-room by the student.

Dissection of the viscera and special regions.

The year's work requires 280 hours of demonstrations and recitations and 250 hours of dissection.

Second Year

First Semester

3. Central Nervous System. This course consists of demonstrations and recitations, with the use of wet specimens of the brain and spinal cord by the instructor and by the student in the study-room. Each student dissects half of a human brain, and studies a series of microscopic slides, loaned to him by the department, giving the important levels of the spinal cord and brain-stem.

Surgical Anatomy. A course of demonstrations and recitations on regional and topographical anatomy, with the practical study of surgical incisions and dissections by instructor and students.

These two courses occupy about 72 hours in the first semester.

Advanced Work. The remaining 36 hours given to anatomy are in the form of special advanced work, the nature of which is to be decided on by consultation with the department by the individual student.

HISTOLOGY

First Year

1. Laboratory work with occasional lectures and recitations, and with demonstrations before the class by means of micro-projection apparatus. A complete set of slides is loaned to each student for his use throughout the year. This course takes up the study of the microscopic anatomy of the animal cell, of the fundamental tissues, and of the organs of the human body. First semester, 108 hours.

2. A continuation of Course 1, completing the study of the great organ systems, and the special sense organs. Second semester, 108 hours.

PHYSIOLOGY

PROFESSOR C. C. STEWART

First Year

1. A course of lectures, with demonstrations and occasional quizzes on the physiology of muscle and nerve, circulation, respiration, and animal heat. First semester, 54 hours.

2. A continuation of Course 1, on the physiology of digestion, metabolism, secretion and excretion, the nervous system, and the special senses. Second semester, 54 hours.

SECOND YEAR

3. The work of the second year consists of laboratory exercises with demonstrations, recitations, and occasional lectures on the physiology of muscle and nerve, blood, circulation, respiration, and animal heat. First semester, 108 hours.

4. Continuation of Course 3, taking up in the same way the physiology of digestion, metabolism, secretion and excretion, the nervous system, and the special senses. Second semester, 108 hours.

ELECTIVE

5 and 6. An advanced course of lectures continuing throughout the year. The course is open as an elective to students who have completed 1 and 2, or 3 and 4.

CHEMISTRY

PROFESSOR E. J. BARTLETT AND PROFESSOR BOLSER

FIRST YEAR

5. Organic Chemistry. The chemistry of the carbon compounds. Two thirds of the exercises are recitations and lectures and one third are laboratory exercises. The object of the course is to ground the student in fundamental theory and to acquaint him with laboratory method.

PROFESSOR BOLSER.

6a. A continuation of Chemistry 5. Laboratory exercises involving somewhat more advanced technique are required. In the lectures and class-room the purin bodies and the compounds of the aromatic series receive special attention.

PROFESSOR BOLSER.

SECOND YEAR

25, 26. Physiological and Medical Chemistry. A course with laboratory, lecture, and recitation work giving special attention to the carbohydrates and albumens, the chemistry of the body, and the applications of chemistry to medicine. First and second semesters.

PROFESSOR BARTLETT.

Prerequisite: Each course in chemistry is dependent upon the preceding course.

PHARMACOLOGY

PROFESSOR MENDENHALL

Second Year

The basis of instruction in this department is laboratory work. It is supplemented by lectures, demonstrations, recitations and conferences. The first part of the course is devoted to subjects that serve as an introduction to later work in systematic Pharmacology and Therapeutics. During the course each student is required to prepare a paper from original sources upon a subject selected from a variety of problems in Pharmacology and to read this to the class. This paper will then be discussed by members of the class. The ability of the student shown in these papers and discussions will be considered in determining his final grade.

In the laboratory a careful record is required of all experiments together with conclusions drawn from them. The experiments are discussed in general conferences held at convenient intervals.

Properly qualified students may upon application be permitted to undertake advanced work in Pharmacology. The time for this must be arranged outside the regular schedule of courses in Pharmacology. An applicant who has not shown particular aptitude in the laboratory or whose grades are low will not be permitted to undertake advanced work.

The time in this course is arranged as follows:

1. (a) Pharmacy and prescription writing—lectures, demonstrations and conferences, 36 hours; laboratory, 36 hours.

(b) Materia medica, chiefly laboratory, 36 hours.

(c) Pharmaceutical chemistry and toxicology, 36 hours.

2. Systematic pharmacology—lectures, demonstrations and conferences, 72 hours; laboratory, 72 hours.

PATHOLOGY AND BACTERIOLOGY

PROFESSOR KINGSFORD AND MR. ATKINS

BACTERIOLOGY

First Year

1 and 2. Lectures and laboratory work with occasional quizzes. Each student will prepare the various culture media, and will carry out practical work in the methods of air, water, and milk examinations, and the isolation and identification of the more common pathogenic organisms, demonstrating the culture reactions of such organisms before the class. Special stress will be laid upon the acquirement of the technique involved in the laboratory diagnosis of the bacterial diseases and upon the study of Immunity. Six hours in the laboratory each week during the first semester, and for the first twelve weeks of the second semester.

Mr. Atkins.

CLINICAL MICROSCOPY

First Year

Hæmatology. A course in the examination, preparation, and staining of blood specimens, with special reference to clinical diagnosis. Both normal and pathological blood specimens are available for examination and study. Three weeks during the second semester.

Professor Kingsford.

Urinary Examinations. This course deals with the examination of normal and pathological urines, with special relation to the full study of urinary sediments. An abundance of material is available at all times. Three weeks during the second semester. Professor Kingsford.

PATHOLOGY

Second Year

1 and 2. Six hours each week of laboratory work throughout the year. Thirty-six lectures illustrated by demonstrations of gross lesions. The laboratory work is devoted to the study of the pathological histology of inflammation, the infectious diseases, tumors, etc. The sections are prepared and retained by the student. Professor Kingsford.

3. Clinical Pathology. Two hours each week during the year devoted to practical work in the preparation of specimens for microscopical examination and for preservation, frozen section technique, and the clinical tests for pathological blood, sputa, fæces and stomach contents.

As the Medical School affords accommodation to the State Laboratory of Bacteriology, the supply of pathological and bacteriological material accessible throughout the year is unusually large.

PROFESSOR KINGSFORD.

PHYSICAL DIAGNOSIS

PROFESSOR GILE

SECOND YEAR

1. Physical Diagnosis. Study of methods of examination and physical diagnosis, with enough of pathology to make the variations in the physical signs intelligible. About one-third of the course is given to lectures, one-third to recitations, and one-third to clinics. First semester, 72 hours.

MEDICINE

PROFESSOR FROST

SECOND YEAR

1. Medicine. Lectures and recitations, making use of the facilities at the Hospital for the practical application of the principles of diagnosis and for the thorough study of selected cases. Second semester, 108 hours.

SURGERY

PROFESSOR PERCY BARTLETT

SECOND YEAR

1. Principles of Surgery and Minor Surgery. A course of recitations with practical work at the Hospital, including etherization and bandaging. Second semester, 108 hours.

HYGIENE

PROFESSOR KINGSFORD

SECOND YEAR

A course of thirty-six lectures in the second year giving instruction in the principles of hygiene and sanitation as applied to daily life and to the practice of medicine and surgery. The course includes the discussion of problems in ventilation and disinfection of buildings, care of water supply, food supplies, plumbing, and sewage disposal; and covers the general field of municipal and school hygiene.

EXPENSES

Tuition is to be paid in two equal instalments on October first and March first. Laboratory fees must be paid to the Treasurer at the beginning of each semester.

Tuition—For each of the two courses	$140.00
Chemicals and ordinary breakage, First year	10.00
Second year	6.00
Histology. Material, First year	6.00
Embryology. Material, First year	3.00
Bacteriology. Material, First year	3.00
Pathology. Material, Second year	5.00
Physiology. Material, Second year, First semester	5.00
Second year, Second semester	4.00
Pharmacology. Material, Second year, First semester	4.00
Second year, Second semester	4.00
Anatomy. Material	22.50
Room Rent	40.00 to 100.00
Board, per week	4.50 to 6.00
Text-books	10.00 to 20.00
Washing	15.00 to 30.00

Those desiring further information may address The Secretary of Dartmouth Medical School, Hanover, N. H.

TEXT-BOOKS

Anatomy—Cunningham, Piersol, Morris, Gray, Spalteholz.
Bacteriology—Jordon, Hiss & Zinsser, McFarland.
Chemistry—Cohen, Holland.
Dictionary—Gould, Dunglison, Dorland, Stedman.
Embryology—Bailey and Miller.
Hæmatology—Cabot, Ewing.
Histology—Bailey, Stöhr, Piersol, Jordan, Böhm and Davidoff.
Hygiene—Bergey, Harrington.
Pathology—Delafield and Prudden, Ziegler.
Physical Diagnosis—Cabot, Anders, Butler's Diagnosis.
Physiology—Brubaker, Howell, Schäfer, Nagel.
Practice of Medicine—Osler, Anders, Tyson.
Surgery—deNancrède, Bryan.
Pharmacology and Materia Medica—Sollmann, Cushny, U. S. Pharmacopœia, New and Non-Official Remedies, Useful Drugs.

STUDENTS

SECOND YEAR

Fipphen, Clarence Wyman*	*Concord, N. H.*	52 So. Main St.
Gear, Patrick Edward, A.B.	*Holyoke, Mass.*	9 W. South St.
Granger, Fred Wells, B.S.	*Worcester, Mass.*	44 College St.
Granger, Leo Yearwood*	*Newark, N. J.*	4 Ford Block
Parsons, Charles Henry, Jr.*	*Concord, N. H.*	52 So. Main St.
Pettengill, Frank Gordon*	*Amherst, N. H.*	56 New Hamp.
Ryan, Earl Francis**	*Bennington, Vt.*	44 College St.
Sawyer, Howard Pierce, A.B.	*Concord, N. H.*	Isol. Hosp.

FIRST YEAR

Alvarez, H. E.	*Monte Christy, Dom. Rep.*	47 Fayer.
Baxter, R. H.	*Somerville, Mass.*	28 Sanborn
Blum, K. A.	*Orange, N. J.*	19 Hallg'n
Bowler, J. P., A.B.	*Hanover, N. H.*	Thayer Lodge
Chutter, R. F.**	*Hanover, N. H.*	5 Sanborn Road
Cunningham, E. S.*	*New York, N. Y.*	11 Hubbard
Davis, D. D.**	*Hanover, N. H.*	Bridgman Block
Davison, C. M.	*Chicago, Ill.*	9 Mass.
Donehue, F. McG.	*Whitehall, N. Y.*	ΣX House
Dresser, N. B.**	*Berlin, N .H.*	14 Wheeler
Gilmore, C. M.	*Cranford, N. J.*	ΒΘΠ House
Haggerty, D. R.	*Holyoke, Mass.*	33 Wheeler
Hayden, E. P.**	*Hartford, Conn.*	C. and G. House
Hill, L. F.	*West Rummey, N. H.*	9 College St.
Maynard, M. E.	*Buckland, Mass.*	9 W. South St.
Paine, G. E.*	*Lakeport, N. H.*	30 New Hamp.
Potter, C. A.	*Southampton, L. I., N. Y.*	8–9 N. Mass.
Shackford, B. C.	*Newton, Mass.*	9 W. South St.
Shaw, E. A.*	*Waltham, Mass.*	ΔKE House
Stamatiades, P. E.*	*Cos, Aegean Sea*	8 College St.
Stickney, R. C.	*Beverly, Mass.*	3 Rich.
Tower, A. A., A.B.	*East Pepperell, Mass.*	9. W. South St.
Tucker, C. W.*	*Trenton, N. J.*	9 W. South St.
Walters, H. W.	*Omaha, Neb.*	ΨΤ House
Wyman, R. E.*	*Hampden, Me.*	18 Hubbard

*Candidate for B.S., 1916. **Candidate for A.B., 1916.

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